
NSTextList Class Reference

[Cocoa](#) > [Text & Fonts](#)



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NSTextList Class Reference

Inherits from	NSObject
Conforms to	NSCoding NSCopying NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	NSTextList.h

Overview

An `NSTextList` object represents a section of text that forms a single list. The visible elements of the list, including list markers, appear in the text as they do for lists created by hand. The list object, however, allows the list to be recognized as such by the text system. This enables automatic creation of markers and spacing. Text lists are used in HTML import and export.

Text lists appear as attributes on paragraphs, as part of the paragraph style. An `NSParagraphStyle` may have an array of text lists, representing the nested lists containing the paragraph, in order from outermost to innermost. For example, if `list1` contains four paragraphs, the middle two of which are also in the inner `list2`, then the text lists array for the first and fourth paragraphs is (`list1`), while the text lists array for the second and third paragraphs is (`list1`, `list2`).

The methods implementing this are `textLists` on `NSParagraphStyle`, and `setTextLists:` on `NSMutableParagraphStyle`.

In addition, `NSAttributedString` has convenience methods for `lists:rangeOfTextList:atIndex:`, which determines the range covered by a list, and `itemNumberInTextList:atIndex:`, which determines the ordinal position within a list of a particular item.

Tasks

Creation

- [initWithMarkerFormat:options:](#) (page 6)
Returns an initialized text list.

Working with Markers

- [markerFormat](#) (page 8)
Returns the marker format string used by the receiver.
- [markerForItemNumber:](#) (page 7)
Returns the computed value for a specific ordinal position in the list.

Getting List Options

- [listOptions](#) (page 7)
Returns the list options mask value of the receiver.

Instance Methods

initWithMarkerFormat:options:

Returns an initialized text list.

```
- (id)initWithMarkerFormat:(NSString *)format options:(NSUInteger)mask
```

Parameters

format

The marker format for the text list.

mask

The marker options for the text list. Values for *mask* are listed in “[Constants](#)” (page 8).

Return Value

An initialized text list.

Discussion

The marker format is specified as a constant string, except for a numbering specifier, which takes the form `{keyword}`. The currently supported values for *keyword* include:

```
box
check
circle
diamond
disc
hyphen
square
lower-hexadecimal
upper-hexadecimal
octal
lower-alpha or lower-latin
upper-alpha or upper-latin
lower-roman
```

```
upper-roman
decimal
```

Thus, for example, @"({decimal})" would specify the format for a list numbered (1), (2), (3), and so on, and @"{upper-roman}" would specify the format for a list numbered I, II, III, IV, and so on. (All of these keywords are included in the Cascading Style Sheets level 3 specification.)

Availability

Available in Mac OS X v10.4 and later.

See Also

- [markerFormat](#) (page 8)
- [listOptions](#) (page 7)

Declared In

NSTextList.h

listOptions

Returns the list options mask value of the receiver.

```
- (NSUInteger)listOptions
```

Return Value

The list options mask value of the receiver.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSTextList.h

markerForItemNumber:

Returns the computed value for a specific ordinal position in the list.

```
- (NSString *)markerForItemNumber:(NSInteger)itemNum
```

Parameters

itemNum

The ordinal position in the list whose computed marker value is desired.

Return Value

The computed maker value for *itemNum*.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSTextList.h

markerFormat

Returns the marker format string used by the receiver.

```
- (NSString *)markerFormat
```

Return Value

The marker format string used by the receiver.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [initWithMarkerFormat:options:](#) (page 6)

Declared In

NSTextList.h

Constants

The following constant specifies an option mask used with [initWithMarkerFormat:options:](#) (page 6).

Constant	Description
NSTextListPrepend-EnclosingMarker	Specifies that a nested list should include the marker for its enclosing superlist before its own marker. Available in Mac OS X v10.4 and later. Declared in NSTextList.h.

Document Revision History

This table describes the changes to *NSTextList Class Reference*.

Date	Notes
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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I

`initWithMarkerFormat:options:` **instance method** [6](#)

L

`listOptions` **instance method** [7](#)

M

`markerForItemNumber:` **instance method** [7](#)
`markerFormat` **instance method** [8](#)

N

`NSTextListPrependEnclosingMarker` **constant** [8](#)